
LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 227

FERTILIZERS, 1911.

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OTTAWA, September 18, 1911.

W. J. GERALD, Esq.,

Deputy Minister of Inland Revenue.

SIR,—I have the honour to hand you a report upon 161 samples of fertilizers, as sold throughout the Dominion of Canada during the current year. The collection was made during the month of May; and this report, like the collection which it discusses, is issued much later than should be the case. The delay as you are aware, has been due to causes which could not be controlled. The rebuilding of our laboratories, and the loss of two members of this staff, in one case by death, in the other by disqualifying illness, has put the work of this branch, very far behind.

As in my report for last year (See Bulletin 213) I have to note a large number of failures to comply with the requirements of the Fertilizers Act of 1909. In many cases this appears to be the fault of the vendor; rather than that of the manufacturer. Indeed, so far as my experience goes, I have found on the part of manufacturers, a very praiseworthy desire to live up to the requirements of the Act governing the sale of fertilizers. The conditions named by the Act are so simple and plain that there would seem to be no excuse for failing to meet them. It is difficult to see how anything less could be demanded, consistently with giving effective protection to the purchaser.

In some instances, there seems to be a lack of care exercised by the inspector; and in the present case this is very marked as regards the Quebec district. When a fertilizer is sold with its registration number, there is no difficulty in identifying it; and in finding the claim made for it by the manufacturer. Even without the registration number, if the specific name of the brand be given, together with the name of the manufacturer, it is usually possible to identify the fertilizer by means of the records filed in the Department. When, however, neither the registration number nor the name of the brand is given, and the article is simply stated to be a fertilizer, it is apparent that no trustworthy identification can be made.

Of the 161 samples now reported, 123 samples have been identified with sufficient certainty to enable me to declare them up to guaranteed value in fertilizing materials. Of the remaining 38 samples, 4 are not registered. These are as follows:—

- No. 38195—Bonemeal—Portland Seed Co.
- 38200—Beef Scraps—Swift & Co., Chicago.
- 47603—Whale Guano—Pacific Whaling Co.
- 47629—Bone & Blood Fertilizer—Frye Bruhne & Co., Seattle.

The vendors of these brands are of course amenable to the penalties named in Section 15 of the Fertilizers Act, 1909.

Fourteen (14) samples, about which identification appears to be satisfactory, fail to comply with the guarantees; but in most of these cases, the deficiency is compensated by an overplus of other fertilizing constituents. A detailed list of these samples is given:—

No. 46631—deficiency of 12.10 p. c. phosphoric acid.
 46636—deficiency of 1.71 p. c. potash is compensated.
 46637—deficiency of 7 p. c. phosphoric acid.
 46639—deficiency of 1.27 p. c. potash is compensated.
 45486—deficiency of 3.55 p. c. phosphoric acid is compensated.
 38956—deficiency of 0.76 p. c. nitrogen is compensated.
 40675—deficiency of 2 p. c. phosphoric acid is compensated.
 48529—deficiency of 2 p. c. nitrogen is compensated.
 47320—deficiency of 4.75 p. c. phosphoric acid is partially compensated.
 48056—deficiency of available phosphoric acid, but guaranteed amount of total phosphoric acid.
 48063—deficiency of 1.1 p. c. potash.
 48030—deficiency of 1 p. c. nitrogen is compensated.
 47604—deficiency of 1.16 p. c. nitrogen is compensated.
 47605—deficiency of 2.22 potash.

There are, therefore, only 4 samples in which uncompensated deficiency of more than one half of one per cent. of a fertilizing constituent is present; viz.:—

No. 46631—Bone Meal—Nova Scotia Fertilizer Co., Agents for manufacturer.
 48063—Celery and Potato Fertilizer—Buffalo Fertilizer Co.
 47605—Fertilizer B—Victoria Chemical Co.
 46637—Registration 302, E. E. McNutt, Truro.

These samples have been repeatedly analyzed, and the findings corroborated. The deficiencies in the four samples are sufficiently notable to bring them under the provisions of Section 15 of the Act.

The remaining 20 samples cannot be identified with sufficient certainty to enable me to pronounce upon their character. An attempt has been made to identify them, with the aid of the imperfect information furnished and it is probable that the following is correct:—

No. 46638—Probably up to guarantee
 46062— " " " a.
 36938— " " " as 253
 36941— " " " as 210
 36944— " " " as 399
 36946— " " " as 400
 38952— " " " as 253
 48527—Compensating value if No. 188
 47322— " " " 291
 38197— " " " 440
 38201—If No. 297 it is slightly low in phosphoric acid.
 38203 } These samples are apparently inverted, as regards registration
 38204 } numbers. Are, in this case, up to guarantee.

The remaining 7 samples do not warrant any attempt at identification.
 I beg to recommend publication of this report as Bulletin No. 227,

I have the honour to be, Sir,
 Your obedient servant,

A. MCGILL,
Chief Analyst.

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.
				Quantity.	Cents.		

DISTRICT OF NOVA SCOTIA—

1911.							
May 10	Ceres Brand....	46621	A. L. Melvin & Co., Halifax, N.S.	5 lbs.	Nil	Nova Scotia Fertilizer Co., Halifax, N.S.	
" 10	Potato Phosphate.	46622	" " "	5 "	"	" "	
" 12	Slag.....	46623	Nova Scotia Fertilizer Co., Halifax, N.S.	5 "	"	R. A. Munroe, Glas- gow, Scotland.	
" 12	Ceres.....	46624	" " "	5 "	"	Vendors.	
" 12 10%	.....	46625	" " "	5 "	"	"	
" 15	Eureka Phosphate.	46626	Halifax Seed Co., Halifax, N.S.	5 "	"	Pidgeon Co., Windsor, N.S.	
" 15	Potato Manure..	46627	" " "	5 "	"	" "	
" 16	Soluble Pacific Guano.	46628	G. F. Roy, Kentville, N.S.	5 "	"	Am. Agr. Chem. Co., New York.	
" 16	Swift's Lowell Potato Manure	46629	" " "	5 "	"	Swift's Fertilizer Co., Boston, Mass.	
" 16	Chute's Special	46630	Berwick Fruit Co., Berwick, N.S.	5 "	"	Pidgeon Fertil. Co., Windsor, N.S.	
" 16	Bone Meal....	46631	" " "	5 "	"	Manufacturers: Stackman & Co., Ger- many.	
						Furnishers: The Nova Scotia Fer- tilizer Co., Halifax, N.S.	
" 16	Acid Phosphate.	46632	" " "	5 "	"	Manufacturers: The Nova Scotia Fer- tilizer Co., Halifax, N.S.	
" 16	Superphosphate with Potash.	46633	Burgess & Co., Wolf- ville, N.S.	5 "	"	Bowker Co., Boston..	
" 16	Market Garden.	46634	" " "	5 "	"	" "	
" 16	Grain and Grass	46635	R. E. Harris & Son, Wolfville, N.S.	5 "	"	" "	
" 17	Ground Bone....	46636	Pidgeon Fertilizer Co., Windsor, N.S.	5 "	"	Vendors.	
" 19	Basic Phosphate	46637	E. E. McNutt, Truro, N.S.	5 "	"	A. Hickman Co., Bil- son, Eng.	

FERTILIZERS AS SOLD.

Registration No.	Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.		
		Nitrogen, p. c.		Phosphoric Acid, p. c.										
		Total, including that of Nitric Acid or Ammonia if present.	Total, calculated as Ammonia.	Soluble in Water.		Reverted or Citrate Soluble.		Insoluble.		Total	Total available.	Potash.	Moisture.	No. of Sample.
37	As guaranteed	2		2		9		7		2				46621 Up to guarantee
	As found....	1.28	1.56			0.45	9.45	9.00		3.12				
38	As guaranteed	2						9		7		4		46622 "
	As found....	1.27	1.53			0.75	9	8.25	4.53					46623 "
47	As guaranteed							14						
	As found....			10.45	4.06	14.50	10.45							
37	As guaranteed	2		2		9		7		2				46624 "
	As found....	2.26	2.75			1.25	9.10	7.85	2.39					
41	As guaranteed	2.5				2				6	10			46625 "
	As found....	2.17	2.64			1	9.85	8.85	9.67					
32	As guaranteed	3								7	2.5			46626 "
	As found....	1.96	2.38			1.90	9.45	7.55	3.59					
29	As guaranteed	2.5								6	5			46627 "
	As found....	1.89	2.30	5.90	1.70	2.30	9.90	7.60	5.58					
14	As guaranteed	2.06	2.5	6	2	1	9	8	1.5					46628 "
	As found....	1.98	2.42	7.25	2.96	1.25	11.45	10.20	2.02					
114	As guaranteed	1.64	2	4	3	1	8	7	4					46629 "
	As found....	1.60	1.94	4.50	3.70	1.03	9.25	8.20	3.36					
275	As guaranteed	4	4.8	6	1	2	9	7	4					46630 "
	As found....	3.48	4.22	5.80	2.85	0.50	9.15	8.65	3.74					
44	As guaranteed	3												46631 Below guarantee in phosphoric acid.
	As found....	2.29	2.78				16.90							
328	As guaranteed			14	2	16	14							46632 Up to guarantee
	As found....				1.65	18.40	16.75							
99	As guaranteed	6	4	1	11	10	2							46633 "
	As found....	5.95	2.35	1.75	11.80	10.05	2.24							
90	As guaranteed	2.47	3	4	2	1	7	6	10					46634 "
	As found....	3.92	4.77	3	3.15	0.85	7	6.15	11.04					
120	As guaranteed	82	1	4	4	1	9	8	4					46635 "
	As found....	90	1.29	4.90	6.40	1	12	11	4.55					
37	As guaranteed	2				2	9	7	2					46636 Below guarantee in potash ; above in phosphoric acid and nitrogen.
	As found....	2.82	3.42			2.50	12	9.50	0.29					
302	As guaranteed			15.40	3.85	19.25								46637 Below guarantee in phosphoric acid.
	As found....	None	None			12.25								

* Bone phosphate 50 to 60 = 23 P₂O₅.

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.
				Quantity.	Cents.		

DISTRICT OF NOVA SCOTIA—

1911.							
" 19	Phosphate Flour	46638	Colchester's Farmers 5 Co-op. Assn., Truro, N.S.	"	Leeds Phosphate Works, Leeds, Eng.	Register 258.	
May 19	Complete Stockbridge Manure	46639	J. H. Kent & Co., 5 lbs., Truro, N.S.	Nil	Bowker Co., Boston, Mass.		
" 19	Swift's Lowell Ground Bone	46640	A. J. Walker & Son, 5 lbs., Truro, N.S.	"	Swift's Fertilizer Co., Boston, Mass.		

DISTRICT OF PRINCE EDWARD ISLAND—

May 19	Nitrate of Soda.	46656	Auld Bros., Charlottetown.	5 lbs.	Nil	Am. Agr. Chem. Co., New York.	
" 19	Muriate of Potash.	46657	" " " 5 " "	"	"	German Kali Works, Stassfurt, Germany	
" 19	Superphosphate.	46658	Jno. H. Gill, Charlottetown.	5 " "	"	Alex. Cross & Sons, Glasgow, Scotland.	
" 19	Sulphate of Potash.	46659	Auld Bros., Charlottetown.	5 " "	"	German Kali Works, Leopoldshall, Stassfurt, Germany	
" 20	Potato Manure.	46660	A. Horne & Co., 5 lbs., Charlottetown.	"	"	Swift's Lowell Fertil. Co., Boston, Mass.	
" 20	Ground Bone.	46661	" " " 5 " "	"	" " "		
" 20	Sulphate of Potash.	46662	Auld Bros., Charlottetown.	5 " "	"	Thos. Vickers Sons Ltd., Manchester, Eng.	
" 20	Swan's Thomas Phosphate.	46663	" " " 5 " "	"	"	Swan Bros., Wigan & Stillington, Eng.	
" 20	Swift's Lowell Animal Brand	46664	A. Horne & Co., Charlottetown.	5 " "	"	Swift's Lowell Fertil. Co., Boston, Mass.	
" 20	Bone Fertilizer..	46665	" " " 5 " "	"	" " "		

FERTILIZERS AS SOLD.

Registration No.	Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.	
		Nitrogen, p.c.		Phosphoric Acid, p.c.		Potash, p.c.		Moisture.					
		Total, including that of Nitric Acid or Ammonia if present.	Total, calculated as Ammonia.	Soluble in Water.	Reverted or Citrate Soluble.	Insoluble.	Total.	Total available.	Potash.				
253	As guaranteed As found.....	15	15	15.40	3.55	18	18.95	15.40	.....	46638	No 253 on Inspector's invoice, which is pot. sup. Incorrect identification should be registered as 253. Up to guarantee.	
88	As guaranteed As found.....	3.29 2.86	4 3.48	4.40	2	1	7 9.85	6 8.35	10 8.73	46639	Below guarantee in potash; above in phosphoric acid. Practically is up to guarantee.		
117	As guaranteed As found.....	2.46 2.24	3 2.72	.....	.....	23 25.80	.....	.....	.....	46640	Up to guarantee

W. M. A. WEEKS, INSPECTOR.

179	As guaranteed As found.....	15 14.47	18.23 17.57	46056	Up to guarantee
305	As guaranteed As found.....	.....	.....	.....	.....	.....	50	.....	46057	Registered as 305, up to guarantee
327	? As guaranteed As found.....	.....	36.0 17.75	.....	18.00	.....	49.56	.....	46058	If correctly identified as 327, then much below guarantee. Apparently some mistake in description of the brand.
306	As guaranteed As found.....	.....	.....	.....	.....	48	48.28	.....	46059	Registered as 306, up to guarantee
114	As guaranteed As found.....	1.64 1.32	2 1.60	4 4.45	3 4.50	1 0.50	8 9.45	7 8.95	4 3.61	46060	Up to guarantee. Registered as 114.
117	As guaranteed As found.....	2.46 2.37	3 2.87	.....	23 25.25	.....	.....	.....	46061	Registered as 117, up to guarantee
324	As guaranteed As found.....	.....	16.50	3.25	0.10	19.85	19.75	.....	46062	Probably No. 324, a phosphate. Up to guarantee
323	As guaranteed As found.....	.....	11.2 10.05	2.8 3.95	14 14.00	11.2 10.06	.....	.....	46063	Probably No. 323 and up to guarantee.
116	As guaranteed As found.....	2.46 2.65	3 3.22	4 4.75	4 3.65	2 2.05	10 10.45	8 8.40	4 5.17	46064	Up to guarantee. Registered as 116.
113	As guaranteed As found.....	1.64 1.40	2 1.70	4 4.25	4 3.60	1 1.15	9 9	8 7.85	3 3.36	46065	Registered as 113, Up to guarantee

*(= 16.0 P₂O₅ if Ca₃(PO₄)₂ is meant).

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.
				Quantity.	Cents.		

DISTRICT OF NEW BRUNSWICK—

1911.							
May 3	10% Complete Aroostook Potato.	45479	The Prov. Chem. Fertr. Co., Ltd., St. John, N.B.	3 jars.	15	Vendors.....	
" 3	Special Potato Phosphate.	45480	"	3 "	15	"	
" 3	Blood, Bone and Potash.	45481	"	3 "	15	"	
" 4	Swift's Lowell Bone.	45482	P. Nase & Son, St. John, N.B.	3 "	10	Swift's Lowell Fertr. Co., Boston, Mass.	
" 4	Swift's Animal Brand.	45483	"	3 "	10	" "	
" 4	Swift's Lowell Potato Phosphate.	45484	"	3 "	10	" "	
" 8	Thomas Phosphate Powder.	45485	Anglo-Canadian Chem. Co., St. John, N.B.	3 "	10	H. & E. Albert, London, Eng.	
" 8	Special Odourless Potato Phosphate.	45486	"	3 "	10	" "	
" 9	Stockbridge Special Complete Manure.	45487	D. J. Seely & Son, St. John, N.B.	3 "	10	Bowker Fertr. Co., Boston and New York.	
" 9	Bowker's 6% Potato Fertilizer.	45488	"	3 "	10	" "	
" 16	Bradley's Potato	45489	A.H. Vanwart, Fred. erickson, N.B.	3 "	15	The Am. Agr. Chem. Co., New York.	
" 16	Bradley's X.L. Superphosphate of Lime.	45490	"	3 "	15	" "	
" 17	Read's Farmers Friend.	45491	Phillips Esty & Co., Ltd., Woodstock, N.B.	3 "	10	" "	
" 17	Bradley's Eclipse Phosphate.	45492	Benn & Turney, Woodstock, N.B.	3 "	15	" "	
" 19	10% Complete Aroostook Potato.	45493	Porter Manzer, Ltd., Perth, N.B.	3 "	15	The Prov. Chem. Fertr. Co., Ltd., St. John, N.B.	
May 22	New England Potato Fertilizer.	45494	The Sussex Mercantile Co., Ltd., Sussex, N.B.	3 "	15	The New England Fertr. Co., Boston, Mass.	
" 22	New England Ground Bone.	45495	"	3 "	15	" "	
" 22	Farm and Garden Phosphate	45496	W. B. McKay, Ltd., Sussex, N.B.	3 "	10	Bowker Fertr. Co., Boston, Mass.	
" 23	Pacific Potato Special.	45497	Toombs & Son, Moncton, N.B.	3 "	10	The Am. Agr. Chem. C., Boston, Mass.	
" 13	Pacific Nobisque Guano for all Crops.	45498	"	3 "	10	" "	

FERTILIZERS AS SOLD.

Registration No.	Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.	
		Nitrogen, p.c.		Phosphoric Acid, p.c.						Potash.			
		Total, including that of Nitric Acid or Ammonia if present.	Total, calculated as Ammonia.	Soluble in Water.		Reverted or Citrate Soluble.		Insoluble.		Total.	Total available.		
65	As guaranteed	4	.....							8	10	45479 Up to guarantee
	As found.....	3.09	3.76							8.70	10.56		
63	As guaranteed	2.5	.....							8	6	45480
	As found.....	1.92	2.33							10.00	5.94		
71	As guaranteed	2	.....							7	4	45481
	As found.....	1.58	1.92							9.15	5.27		
113	As guaranteed	1.64	2	4	4	1	9	8	3	1.64	3.37	45482	
	As found.....	1.43	1.74	4.05	5.10	0.50	9.65	9.15	4				
116	As guaranteed	2.46	3	4	4	2	10	8	4	2.46	3.97	45483	
	As found.....	2.43	2.96	3.80	5.60	1.85	11.05	9.20	3.97				
110	As guaranteed	2.46	3	4	4	1	9	8	6	2.46	5.96	45484	
	As found.....	2.12	2.58	6.95	1.40	0.50	8.85	8.35	5.96				
1	As guaranteed	.....	.....	.....	.....	15	.....	.....	.....	45485	.....	
	As found.....	.....	.....	.....	.....	17.55	.....	.....	.....	
51	As guaranteed	.....	.....	.....	.....	Trace	8.45	8.45	5	12	7.12	45486 Below guarantee in phosphoric acid, above in potash.
	As found.....	.....	.....	.....	.....	.....	8.45	8.45	7.12			
88	As guaranteed	3.29	4	4	2	1	7	6	10	3.29	4.45	45487 Up to guarantee	
	As found.....	2.88	3.50	4.45	2.05	1	7.50	6.50	10				
96	As guaranteed	.82	1	4	2	1	7	6	6	.82	4.48	45488	
	As found.....	.77	.94	.....	.....	0.70	7.80	7.10	7.26			
3	As guaranteed	2.06	2.5	6	2	1	9	8	3	2.06	2.57	45489	
	As found.....	1.84	2.25	3.85	4.40	1.45	9.70	8.25	2.57				
2	As guaranteed	2	2.5	6	2	1	9	8	1.5	2	4.50	45490	
	As found.....	1.84	2.24	6.50	2.60	1.65	10.75	9.10	2.59				
11	As guaranteed	3.29	4	4	2	1	7	6	10	3.29	4.44	45491	
	As found.....	3.11	3.77	2.50	.....	1.65	7.80	6.15	10.44			
4	As guaranteed	1.25	6	.....	2	1	9	8	2	1.25	3.07	45492
	As found.....	.92	1.11	6.10	.....	0.95	10.85	9.90	3.07			
65	As guaranteed	2.84	3	4	.....	.....	8	.....	10	2.84	10.29	45493
	As found.....	3.45	.....	.....	.....	.....	9.10	.....	10.29			
133	As guaranteed	1.64	2	4	3	1	8	7	4	1.64	4.27	45494	
	As found.....	1.40	1.70	5.50	0.70	2.30	8.50	6.20	4.27				
139	As guaranteed	2.46	3	.....	.....	.....	23	.....	.....	2.46	.....	45495
	As found.....	2.06	2.49	.....	.....	.....	25.75	.....	.....		
94	As guaranteed	1.65	2	6	2	1	9	8	2	1.65	3.18	45496	
	As found.....	1.89	2.90	6.90	2.90	1.55	11.35	9.80	3.18				
15	As guaranteed	2.06	2.5	6	2	1	9	8	3	2.06	2.76	45497	
	As found.....	1.65	2	6.75	2.45	0.70	9.90	9.20	2.76				
16	As guaranteed	1.03	1.25	6	2	1	9	8	2	1.03	2.27	45398	
	As found.....	1	1.22	6.45	3.80	2	12.25	10.25	2.27				

J. C. FERGUSON, INSPECTOR.

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	COST.		Inspector's Report.
				Quantity.	Cents.	

DISTRICT OF QUEBEC—

1911.						
May	3 Fertilizer	36936	Eugene Julien, 1228 Rue St. Valier, Que.	5 lbs.	Nil	Am. Agr. Chem. Co., Boston, Mass.
"	3	36937	" " "	5 "	"	"
"	3	36938	" " "	5 "	"	Leeds Phosphate Works.
"	4	36939	P. T. Legare, 287 Rue St. Paul, Que.	5 "	"	Buffalo, New York.
"	4	36940	" " "	5 "	"	Am. Agr. Chem. Co.
"	4	36941	" " "	5 "	"	Michigan Carbon Works, Detroit.
"	10	36942	J. B. Reneaud & Cie, Quebec.	5 "	"	British Oil and Cake, Liverpool Branch.
"	11	36943	P. T. Legare, 287 Rue St. Paul, Quebec.	5 "	"	Alex. Cross & Sons, Glasgow.
"	11	36944	" " "	5 "	"	"
"	11	36945	" " "	5 "	"	"

DISTRICT OF ST. HYACINTHE—

May	17 Capelton.	38950	H. Hebert, St. Leon ard Junction.	3 Jars	Nil	Capelton Chem. and Fertilizer Co., Buck ingham.	....
"	17 Victor Complete	38951	J. E. Beliveau, St. Leonard Junction.	3 "	"	" " "	Bought in 1910.
"	18 Phosphate of Lime, Thomas Phosphate Flour.	38952	F. Dubuc, Nicolet	3 "	"	Leeds Phosphate Works, Leeds, Eng land.	....
"	23 Complete Fertil izer.	38953	L. A. Dubuc, Riche lieu.	3 "	"	Michigan Carbon Works.	....
"	24 Farmers' Choice.	38954	I. C. Harbec, St. Jean	3 "	"	Buffalo Fertilizer Co., Buffalo, N.Y.	Reg. number not marked on bags. Marked on Order only.
"	24 General Crop.	38955	" " "	3 "	"	" " "	" "

FERTILIZERS AS SOLD.

RESULTS OF ANALYSIS.

Registration No.	Analysis of Sample.	Nitrogen, p.c.		Phosphoric Acid, p.c.		Potash, p.c.		No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Total, including that of Nitric Acid or Ammonia if present.	Ammonia.	Reverted or Citrate Soluble.	Insoluble.	Total.	Total available.		
		Soluble in Water.						Moisture.	

F. X. W. E. BELAND, INSPECTOR.

		p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
	As guaranteed									36936
	As found....	2.03	2.47	7.25	1.45	0.65	9.35	8.70		Cannot be identified from information given.
	As guaranteed									36937
	As found....	9.8	1.19	3.50	2.18	1	6.65	5.65		"
253	As guaranteed									36938
	As found....									Probably No. 253 and up to guarantee.
	As guaranteed									36939
	As found....									Cannot be identified.
	As guaranteed									36940
	As found....									"
	As guaranteed									36941
	As found....									Doubtfully identified as 210 ; up to guarantee.
	As guaranteed									36942
	As found....									Cannot be identified from information given.
	As guaranteed									36943
	As found....									Cannot be identified.
399	As guaranteed									36944
	As found....									Doubtfully identified as 399 ; up to guarantee.
400	As guaranteed									36945
	As found....									Doubtfully identified as 400 ; up to guarantee.

J. C. ROULEAU, INSPECTOR.

337	As guaranteed			7						38930
	As found....			7.86						Up to guarantee.
	As guaranteed	2								38951
	As found....	2.02	2.45							Registered as No. 83, up to guarantee.
253	As guaranteed					18				38952
	As found....					19.60				Probably No. 253, and up to guarantee.
206	As guaranteed	1.66	2	6	2	1	9	8	4	38953
	As found....	1.71	2.07			0.33	12.35	12.02	4.34	Up to guarantee.
55	As guaranteed	1								38954
	As found....	70	86			1.75	11.86	10.10	5.73	"
50	As guaranteed									38955
	As found....					2.85	14.35	11.50	3.56	

BULLETIN No. 227—

Date of Collection.	Designation.	Name and Address of Vendor.	Cost.	Quantity.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.
				No. of Sample.	Cents.		

DISTRICT OF ST. HYACINTHE—

1911.

May 24	Lesages Super-phosphate.	38956 L. A. Nadeau, Iber-	3 Jars	Nil	Lesage Packing and Fertilizer Co., Mon-	tral.	
		ville P.O., Lemoine.					
	24 Lesage's Fertilizer.	38957		3	0	0	
	24 Extra High Grade Fertilizer.	38958		3	0	0	
	24 Lesage's Complete Fertilizer.	38959		3	0	0	

DISTRICT OF MONTREAL—

May	4 Sure Growth Manure.	40671 Wm. Ewing Co.,	184.3 Jars	Nil	W. A. Freeman Co., Ltd.		
		McGill St., Montreal.					
	4 Potato Manure.	40672		3	0	0	
	4 Tobacco Manure.	40673		3	0	0	No number on bag.
	4 Tankage.	40674		3	0	0	
	4 Celery and Early Vegetable Manure.	40675		3	0	0	
	6 Atcostock Complete Manure.	40676 Wm. Rennie Co.,	3	0	The Am. Agr. Chem. Co.		
		McGill St., Montreal.					
	6 Crocker's Complete Manure.	40677		3	0	8	
	9 Victor.	40678 Frs. Rivet, Joliette,	3	0	Capelton Chem. and Fert. Co.		
	13 Ideal Wheat and Corn.	40679 Thos. Cogland, Herd-	3	0	Buffalo Fert. Co.		
	13 Farmers' Choice.	40680 man, P.Q.	3	0			
	13 Grass and Grain.	40681	3	0	Schaal Sheldon Fert. Co.		
	13 Bradley B.	40682 Wm. Anderson, Herdman, P.Q.	3	0			
	13 Bradley Alkaline.	40683	3	0			

FERTILIZERS AS SOLD.

Registration No.	Analysis of Sample.	RESULTS OF ANALYSIS										Remarks and Opinion of the Chief Analyst.	
		Nitrogen, p.c.			Phosphoric Acid, p.c.								
		Total, including that of Nitric Acid or Ammonia if present.	Total, calculated as Ammonia.	Soluble in Water.	Reverted or Citrate Soluble.	Insoluble.	Total.	Total available.	Potash.	Moisture.	No. of Sample.		

J. C. ROULEAU, INSPECTOR—Concluded.

		p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	No. of Sample.
161	As guaranteed	1.65	2			7	1	8		2		38956
	As found.....	.89	1.08				3.97	12.50	8.60	2.56		
162	As guaranteed	1.65	2			7	1	8		5		38957
	As found....	1.02	1.23				2.50	10.45	7.95	6.69		
329	As guaranteed	1.65	2			7	2	9	7	7		38958
	As found.....	.98	1.19				1.37	12.40	11.03	7.83		
163	As guaranteed	1	1.25			7	1	8		1		38959
	As found.....	.61	.76				1.95	10.50	8.55	1.98		

J. J. COSTIGAN, INSPECTOR.

144	As guaranteed	2.89	3.5	5	3	25	8.25	8	3		40671	Up to guarantee.
	As found.....	2.88	3.5	6.56	1.70	2.20	10.40	8.20	4.67			
145	As guaranteed	2.47	3	5	3	25	8.25	8	5		40672	"
	As found.....	2.14	2.60	3.65	4.75	2.40	10.80	8.40	6.27			
149	As guaranteed	2.47	3	5	2	25	7.25	7	5		40673	Registered as 149, up to guarantee.
	As found.....	3.25	3.94	4	6.35	2.35	12.70	10.35	4.86			
150	As guaranteed	4.12	5	5	12	5	13	12			40674	Up to guarantee.
	As found.....	5.76	7	3.90	6.60	4.25	14.75	10.50				
148	As guaranteed	4.12	5	5.5	3.5	25	9.25	9	5		4.675	Below guarantee in phosphoric acid. Slightly above in potash and nitrogen.
	As found.....	4.41	5.35	2.35	4.52	0.35	7.22	6.87	6.16			
376	As guaranteed	2.47	3	4	2	1	7	6	10		40676	Up to guarantee
	As found....	2.41	2.93	4.05	3.20	0.96	8.10	7.25	10.42			
193	As guaranteed	.82	1	6	2	1	9	8	4		40677	"
	As found.....	.82	1	5.65	5.30	0.50	11.45	10.95	5.48			
83	As guaranteed	2					7		3		40678	"
	As found.....	1.69	2.06				9		6.69			
56	As guaranteed	2						9	5		40679	"
	As found....	1.47	1.78			1.60	12.90	11.30	5.37			
55	As guaranteed	1						9	5		40680	"
	As found....	2.90	3.52			1.45	8.95	7.50	7.08			
356	As guaranteed	1.23	1.5	6	2	1	9	8	7		40681	"
	As found....	1.43	1.73	8.40	0.15	1	9.55	8.55	6.93			
259	As guaranteed	.82	1	6	2	1	9	8	4		40682	"
	As found....	.92	1.12	5.55	3.20	1.35	10.10	8.75	4.79			
23	As guaranteed			9	2	1	12	11	2		40683	"
	As found....			8.50	3.15	1.85	13.50	11.65	3.94			

Date of Collection.	Designation.	No. of Sample.	COST.		Inspector's Report
			Name and Address of Vendor.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	
			Quantity.	Cost.	

DISTRICT OF MONTREAL—

1911.

May 23	Milson's Buffalo Guano.	40685	F. N. McKough, 3 jars Nil Hemmingford, P.Q.		
—	23 Farmers' Choice.	40686	R. W. Blair, Hem- mingford, P.Q.		
—	23 Bowker's Potash Bone.	40687	J. McCause, Hem- mingford, P.Q.		
—	23 Bowker's Sure Crop.	40688	" " 3 "		
—	30 Crocker's New General Crop.	40689	Lepailleur freres, La- chine, P.Q.		
—	30 Celery and Pota- to Special.	40690	H. Dery, Jac. Cartier Sq., Montreal.		

DISTRICT OF OTTAWA—

May 9	Standard	43247	The Standard Ferti- 3 lbs., Nil Vendors.		
—	10 Corn Special.	43248	Capelton Chemical 3 and Fertilizer Co., Buckingham.		
—	10 Royal Canadian.	43249	" " 3 "		
—	10 Victor Potato Special	43250	" " 3 "		
—	10 Victor	43251	" " 3 "		
—	18 Farmers' Choice.	43252	Cooklin & Thompson, Brockville.	Buffalo Fertilizer Co., Buffalo, N.Y.	
—	18 Read's Standard Superphosphate	43253	A. E. Cameron, Brockville.	Am. Agr. Chem. Co., New York.	
—	18 Read's Practical Pota. Special	43254	" " 3 "	6 "	
—	18 Read's High Grade Farmer's Friend.	43255	" " 3 "	6 "	
—	19 Victor Lawn.	43256	Graham Bros., Ot- 3 Nil	Capelton Chem. and Fertr. Co., Buck- ingham.	

FERTILIZERS AS SOLD.

Registration No.	Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.	
		Nitrogen, p.c.			Phosphoric Acid, p.c.								
		Total, including that of Nitric Acid or Ammonia if present.	Total, calculated as Ammonia.	Soluble in Water.	Reverted or Citrate Soluble.	Insoluble.	Total.	Total available.	Potash.	Moisture.	No. of Sample.		
264	As guaranteed	82	1	6	2	1	9	8	4	...	40685	Up to guarantee.	
	As found....	85	1.03	6.15	2.50	1	9.65	8.65	6.48	...		"	
55	As guaranteed	1	...	...	0.85	14.05	13.20	8	5	...	40686	"
	As found....	1.10	1.33	...	...	1	7	6	2	...		"
98	As guaranteed	82	1	4	2	1	7	6	2	...	40687	"	
	As found....	1.26	1.53	6.65	2.05	1.05	9.75	8.70	2.47	...		"	
97	As guaranteed	82	1	6	2	1	9	8	2	...	40688	"	
	As found....	1.28	1.55	6	3.75	1.55	11.30	9.75	2.43	...		"	
301	As guaranteed	82	1	6	2	1	9	8	1	...	40689	"	
	As found....	78	.95	6.50	2.25	0.50	9.20	8.75	1.56	...		"	
57	As guaranteed	2	...	...	...	...	...	8	10	...	40690	"
	As found....	1.40	1.70	7.10	...	...	11.50	10.85	...	...		"

Concluded.

	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
264	As guaranteed	82	1	6	2	1	9	8	4	...	40685	Up to guarantee.
	As found....	85	1.03	6.15	2.50	1	9.65	8.65	6.48	...		"
55	As guaranteed	1	...	...	0.85	14.05	13.20	8	5	...	40686	"
	As found....	1.10	1.33	...	...	1	7	6	2	...		"
98	As guaranteed	82	1	4	2	1	7	6	2	...	40687	"
	As found....	1.26	1.53	6.65	2.05	1.05	9.75	8.70	2.47	...		"
97	As guaranteed	82	1	6	2	1	9	8	2	...	40688	"
	As found....	1.28	1.55	6	3.75	1.55	11.30	9.75	2.43	...		"
301	As guaranteed	82	1	6	2	1	9	8	1	...	40689	"
	As found....	78	.95	6.50	2.25	0.50	9.20	8.75	1.56	...		"
57	As guaranteed	2	...	...	...	...	...	8	10	...	40690	"
	As found....	1.40	1.70	7.10	...	...	11.50	10.85	...	...		"

J. A. RICKY, INSPECTOR.

	2	2.4	8	1	5	14	9	2	...	43247	Up to guarantee.	
280	As guaranteed	2	2.4	8	1	5	14	9	2	...	43247	Up to guarantee.
	As found....	1.46	1.77	8.50	3.10	8.25	14.85	11.60	2.89	...		"
82	As guaranteed	1	...	...	...	8	...	3	...	43248	"
	As found....	1.26	1.53	...	...	10.15	...	4.19	...		"
84	As guaranteed	4	...	...	...	9	...	5	...	43249	"
	As found....	3.23	3.94	...	...	11.30	...	6.27	...		"
336	As guaranteed	2	...	...	...	6	...	8	...	43250	"
	As found....	1.65	2	...	2.05	8.30	6.25	9.23	...		"	
83	As guaranteed	9	...	...	...	7	...	3	...	43251	"
	As found....	1.51	1.85	...	2	9.25	7.25	3.32	...		"	
55	As guaranteed	8	1	6	2	1	9	8	5	...	43252	"
	As found....	.81	.99	3.90	4	1.10	9	7.90	5.09	...		"
233	As guaranteed	82	1	6	2	1	9	8	4	...	43253	"
	As found....	.84	1.02	7	0.95	1.10	9.05	7.95	4.24	...		"
9	As guaranteed	82	1	3	1	1	5	4	8	...	43254	"
	As found....	.87	1.06	3.35	0.75	0.80	5	4.10	8.99	...		"
11	As guaranteed	3.25	4	4	2	1	7	6	10	...	43255	"
	As found....	2.86	3.47	4.80	1.60	0.60	7	6.40	10.31	...		"
336	As guaranteed	2	...	...	...	6	...	8	...	43256	"
	As found....	1.40	1.70	...	2.20	9.55	7.35	8.36	...		"	

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.
				Quantity.	Cents.		

DISTRICT OF KINGSTON—

1911.							
May	1 Sea Fowl Guano.	48527	Earl Spencer, Picton.	3 lbs.	10	Am. Agr. Chem. Co., Buffalo.	No tag on the bag.
"	1 High Grade Potash Compound	48528	"	3 " "	10	"	"
"	1 Complete Manure.	48529	"	3 " "	10	"	"
"	2 Bone and Potash	48530	Thompson & Macdonald Co., Cobourg.	3 " "	10	W. A. Freeman Co., Hamilton.	"
"	2 Lawn Fertilizer.	48531	"	3 " "	10	"	"

DISTRICT OF TORONTO—

May	5 Potash Compound.	47303	The Harris Abattoir Co., Ltd., Toronto.	5 lbs.	15	Vendors.	
"	9 Bradley's B. D. Sea Fowl Guano.	47304	Titherington Bros., St. Catharines.	5 "	15	Am. Agr. Chem. Co., Ltd., Buffalo, N.Y.	
"	9 Crocker's Best Potash Fertilizer.	47305	" "	5 " "	15	" "	
"	9 Crocker's Dissolved Phosphate	47306	The St. Catharines Cold Storage and Forwarding Co., Ltd., St. Catharines.	5 " "	15	" "	
"	9 Fine Ground Bone.	47307	" "	5 " "	15	" "	No registration no. on bags.
"	10 Ideal Wheat and Corn.	47308	Cyrus Field, Niagara on the Lake.	5 " "	15	Buffalo Fertilizer Co., Buffalo, N.Y.	
"	10 Extra Phosphate and Potash.	47309	" "	5 " "	15	" "	
"	10 High Grade Special.	47310	C. E. Fisher & Sons, Queenston.	4 " "	15	Am. Agr. Chem. Co., Buffalo, N.Y.	
"	10 Crocker's Wheat and Corn.	47311	" "	4 " "	15	" "	
"	11 Crocker's New York Special Phosphate.	312	Jno. Spencer, Port Colborne.	5 " "	15	" "	

FERTILIZERS AS SOLD.

Registration No.	Analysis of Sample.	RESULTS OF ANALYSIS.												Remarks and opinion of the Chief Analyst.	
		Nitrogen, p.c.				Phosphoric Acid, p.c.									
		Total, including that of Nitric Acid or Ammonia if present.	Soluble in Water.	Reverted or Citrate Soluble.	Insoluble.	Total.	Total available.	Potash.	Moisture.	No. of Sample.					
168	As guaranteed	2.06	2.5	6	2	1	9	8	1.5	....	48527	If correctly identified, slightly low in nitrogen but above in phosphoric acid and potash.			
	As found....	1.24	1.51	6.30	4.15	0.80	11.25	10.45	2.64	....				
182	As guaranteed	1.65	2	6	2	1	9	8	10	....	48528	Practically up to guarantee.			
	As found....	0.95	1.16	6.50	4.50	0.30	11.30	11.00	10.16	....				
394	As guaranteed	3.29	4	6	2	1	9	8	7	....	48529	Below guarantee in nitrogen; above in phosphoric acid and potash.			
	As found....	1.22	1.49	6.50	5.25	0.85	12.66	11.75	8.28	....				
147	As guaranteed	1.65	2	5.5	3.5	1.25	9.25	9	6	....	48530	Registered as No. 147—up to guarantee.			
	As found....	2.62	3.17	1.10	7.65	1.70	9.45	8.75	9.64	....				
157	As guaranteed	2.47	3	5.5	3.5	1.25	9.25	9	4	....	48531	Registered as No. 157—up to guarantee.			
	As found....	2.59	3.15	4.30	5.40	3.05	12.75	9.70	2.39	....				

JAS. HOGAN, INSPECTOR.

	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	
168	As guaranteed	2.06	2.5	6	2	1	9	8	1.5	....	48527	If correctly identified, slightly low in nitrogen but above in phosphoric acid and potash.			
	As found....	1.24	1.51	6.30	4.15	0.80	11.25	10.45	2.64	....				
182	As guaranteed	1.65	2	6	2	1	9	8	10	....	48528	Practically up to guarantee.			
	As found....	0.95	1.16	6.50	4.50	0.30	11.30	11.00	10.16	....				
394	As guaranteed	3.29	4	6	2	1	9	8	7	....	48529	Below guarantee in nitrogen; above in phosphoric acid and potash.			
	As found....	1.22	1.49	6.50	5.25	0.85	12.66	11.75	8.28	....				
147	As guaranteed	1.65	2	5.5	3.5	1.25	9.25	9	6	....	48530	Registered as No. 147—up to guarantee.			
	As found....	2.62	3.17	1.10	7.65	1.70	9.45	8.75	9.64	....				
157	As guaranteed	2.47	3	5.5	3.5	1.25	9.25	9	4	....	48531	Registered as No. 157—up to guarantee.			
	As found....	2.59	3.15	4.30	5.40	3.05	12.75	9.70	2.39	....				

H. J. DAGER, INSPECTOR.

	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	
202	As guaranteed	2	2.4	...	...	...	11	8	10	....	47303	Up to guarantee.			
	As found....	2.88	3.50	...	...	2.05	11	8.96	9.46	....				
188	As guaranteed	2.06	2.5	6	2	1	9	8	1.5	....	47304	"			
	As found....	1.94	2.36	6.90	3.25	0.75	10.90	10.15	2.43	....				
194	As guaranteed	1.65	2	6	2	1	9	8	10	....	47305	"			
	As found....	1.35	1.64	6.70	3.75	1.30	10.75	10.45	9.90	....				
312	As guaranteed	.....	12	2	1	15	14	....	....	....	47306	"			
	As found....	.....	11.50	4.60	3.35	19.45	16.10	....	....	....		
238	As guaranteed	2.47	3	...	...	22.88	...	...	...	...	47307	Registered as 238			
	As found....	2.52	3.06	...	...	23.35	...	...	...	...	
56	As guaranteed	2	...	...	...	1.90	11.85	9.96	6.54	....	47308	"			
	As found....	1.24	1.51	...	...	1	9	10	8	....	47309	"			
52	As guaranteed	.....	...	...	...	2.05	13.65	11.60	8.49	....	47310	"			
	As found....	.....	...	...	...	1.15	10.55	9.40	2.14	....	47311	"			
381	As guaranteed	1.65	2	6	2	1	9	8	4	....	47312	"			
	As found....	1.51	1.85	6.90	3.10	0.40	10.40	10	4.54	....				
195	As guaranteed	2.06	2.5	6	2	1	9	8	1.5	....	47311	"			
	As found....	2.10	2.55	6.75	2.65	1.15	10.55	9.40	2.14	....				
192	As guaranteed	.....	8	2	1	11	10	8	....	47312	"				
	As found....	.....	7.95	1.95	1.85	11.75	9.90	9.01	....					

Date of Collection.	Designation.	No. of samples.	COST.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.
			Quantity.	Cents.		

DISTRICT OF TORONTO—

1911.

May 11	Celery and Potato Special.	47313	J. E. Barrick, Port 5 lbs.	15	Buffalo Fertilizer Co., Ltd., Buffalo, N.Y.	
" 12	High Grade Manure.	47314	B. L. Edgecombe, 5 lbs.	15	" "	
" 12	Vegetable and Potato.	47315	Dunnville.	5	15	
" 12	Bradley's B. D. Sea Fowl Guano.	47316	Chas. H. Weaver, 5 lbs.	15	Am. Agr. Chem. Co., Buffalo, N.Y.	
" 13	Sure Growth....	47317	W. A. Freeman 5 lbs.	15	Vendors.	
" 13	Tobacco Manure	47318	Fertilizer Co., Ltd., Hamilton.	15	Vendors	
" 16	H Brand. Bone, Blood & Flesh.	47319	W. Harris & Co., 5 lbs.	15	"	
" 18	Fine Steamed Bone.	47320	Toronto.	15	"	
" 18	General Vegetable and Market Garden.	47321	The Wm. Davies & 5 lbs.	15	"	
" 18	Harab Cereal, No. 6.	47322	Co., Ltd., Toronto.	15	"	

DISTRICT OF LONDON—

May 15	Celery and Potato Special.	48052	G. Carter, Son & Co., 3 Jars Nil St. Marys.	Buffalo Fertilizer Co., Buffalo.		
" 15	Ideal.....	48053	" " 3 "	" "		
" 15	Extra Phosphate Special.	48054	" " 3 "	" "		
" 15	Farmers' Choice	48055	" " 3 "	" "		
" 16	Bone Meal.....	48056	Jno. A. Andrew, 3 lbs.	W. A. Freeman, Stratford.		
" 16	Celery and Potato Fer.	48063	J. G. Gidt, Berlin.	Buffalo Fertilizer Co., Buffalo.		
" 16	Pr. a. c.	48064	" " 3 "	W. A. Freeman Co., Sealabel on pack. Hamilton.	age for Dept.	
" 17	Bone Meal	48073	Struthers & Church, 3 lbs.	15	" "	
			Galt.			

FERTILIZERS AS SOLD.

RESULTS OF ANALYSIS.

Registration No.	Analysis of Sample.	Nitrogen, p.c.		Phosphoric Acid, p.c.				Potash.		No. of Sample.	Remarks and Opinion of the Chief Analyst.
		Total, including that of Nitric Acid or Ammonia if present	Total, calculated as Ammonia.	Soluble in Water.	Reverted or Citrate Soluble.	Insoluble.	Total.	Total available.	Moisture.		
57	As guaranteed	2					8	10		47313	Up to guarantee.
	As found. . .	1.22	1.48			0.63	8.56	7.90	12.42		
60	As guaranteed	4					7	10		47314	"
	As found. . .	2.77	3.36			0.20	7.95	7.75	11.10		
58	As guaranteed	3					8	7		47315	"
	As found. . .	2.62	3.18			0.55	9.35	8.80	8.14		
188	As guaranteed	2.06	2.5	6	2	1	9	8	1.5	47316	"
	As found. . .	1.59	1.94	7.05	2.10	1.20	10.35	9.15	1.81		
144	As guaranteed	2.89	3.5	5	3	0.25	8.25	8	3	47317	"
	As found. . .	2.21	2.68	4.50	5.33	1.85	10.70	9.80	3.49		
149	As guaranteed	2.47	3	5	2	25	7.25	7	5	47318	"
	As found. . .	2.19	2.66	7.50	3.40	0.30	11.20	10.90	9.60		
285	As guaranteed	7.15	8.69	0.67	3.90	2.74	7.31	4.57		47319	"
	As found. . .	6.62	8.04	0.50	5.30	1.45	7.25	5.80			
366	As guaranteed	4.93	6				22.0			47320	Below guarantee in total phosphoric acid.
	As found. . .	5.60	6.80				17.25				
362	As guaranteed	4.11	5	1	6	2	9	7	5	47321	Up to guarantee.
	As found. . .	3.61	4.39	0.50	7.10	4.35	11.95	7.60	4.73		
201	As guaranteed	2	2.4				12.5	9	3	47322	Low in phosphoric acid, but high in nitrogen. Some doubt in identification.
	As found. . .	3.56	4.35			4.00	9.02	5.02	3.66		

JNO. TALBOT, ACTING INSPECTOR.

57	As guaranteed	2					8	10		48062	Up to guarantee.
	As found. . .	1.69	2.05			1.90	9.40	7.50	9.50		
56	As guaranteed	2					9	5		48063	"
	As found. . .	1.46	1.78			1.85	10.70	8.85	4.57		
52	As guaranteed						10	8		48064	Practically up to guarantee.
	As found. . .					2.30	11.20	8.90	8.20		
55	As guaranteed	1					8	5		48065	Up to guarantee.
	As found. . .	1.05	1.27	3.50		1.90	10.15	8.35	4.56		
146	As guaranteed	2.47	3	20	1	11.0	20			48066	Below guarantee in available phosphoric acid.
	As found. . .	3.71	4.51		8.80	13.02	21.80	8.80			
57	As guaranteed	2					8	10		48063	Slightly below guarantee in potash.
	As found. . .	1.56	1.90			1.45	8.70	7.25	8.91		
145	As guaranteed	2.47	3	5	3	1.25	8.25	8	5	48064	Up to guarantee.
	As found. . .	3.24	3.93	3.15	9.45	0.95	13.55	12.60	5.98		
157	As guaranteed	2.47	3	5.5	3.5	1.25	9.25	9	4	48073	"
	As found. . .	3.48	4.23	6.75	5.45	0.10	12.30	12.20	3.63		

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.
				Quantity.	Cents.		

DISTRICT OF WINDSOR—

1911.							
May 10	Sure Growth...	48029	Saml. May, Windsor, Ont.	3 jars.	13	W. A. Freeman Co., Hamilton.	
" 10	Lawn Fertilizer.	48030	" " "	3 "	13	" "	
" 11	Homestead High Grade.	48031	Jas. D. Soutar, Chatham, Ont.	3 "	Nil	Michigan Carbon Works, Detroit, Mich.	
" 11	Homestead Special Beet Fertil.	48032	" " "	3 "	"	" "	
" 11	Ideal Wheat and Corn.	48033	" " "	3 "	"	Buffalo Fertil. Co., Buffalo, N.Y.	
" 11	Tobacco Manure	48034	Saml. Glenn & Son, Chatham, Ont.	3 "	"	W. A. Freeman Co., Hamilton.	
" 12	Bone Meal.....	48036	Geo. Kirk, Woodstock, Ont.	3 "	10	" "	
" 12	Crocker's Best Potash.	48047	McIntosh Coal Co., Woodstock, Ont.	3 "	Nil	Am. Agr. Chem. Co., Buffalo, N.Y.	
" 12	Special Phosphate.	48049	" " "	3 "	"	" "	

DISTRICT OF VANCOUVER—

						Manufacturer.	Furnisher.	
May 23	Bone Meal.....	38195	Johnstone's Nursery, Westminster Road, Vanc.	5 lb.	25	Portland Seed Co.	Brown Bros., Vanc.	Not reg....
" 23	" " "	38196	A. R. MacDougall, Westminster Road, Vanc.	5 "	25	Lilly & Co., Seattle.	M. J. Henry, Vanc.	" " "
" 23	Tankage.....	38197	Brown Bros., 21st Ave., Mt. Pleasant	6 "	Nil	P. Burns, Vanc.	Brackman-Ker, Vanc.	" " "
" 23	Blood.....	38198	" " "	6 "	"	"	"	" " "
" 23	Bone Meal.....	38199	Brackman-Ker Milling Co., Vanc.	5 "	25	Pacific Whaling Stn., Victoria.		Sample taken from bin. Could not say if tag carried reg. number.
" 23	Beef Scraps.....	38200	" " "	5 "	30	Swift & Co., Chicago.		No reg. No.

FERTILIZERS AS SOLD.

Registration No.	Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.	
		Nitrogen, p.c.		Phosphoric Acid, p.c.									
		Total, including that of Nitric Acid or Ammonia, if present.	Ammonia, if present.	Soluble in Water.		Converted or Citrate Soluble.		Insoluble.		Total available.			
		Total, calculated as Ammonia.		Soluble.	Insoluble.	Total.		Total.		Potash.	Moisture.		

JNO. TALBOT, INSPECTOR.

		p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	
144	As guaranteed	2.89	3.5	5	3	2.26	8.25	8	3	.....	48029	Up to guarantee
	As found.....	2.61	2.17	4	5.45	1.40	10.85	9.45	2.89	.....	
157	As guaranteed	2.47	3	5.5	3.5	2.25	9.25	9	4	.....	48030	Slightly below in nitrogen, but above in other constituents.
	As found.....	1.57	1.90	6.55	3.95	0.25	10.75	10.50	4.73	.....	
206	As guaranteed	1.65	2	5	2	1	9	8	5	.....	48031	Up to guarantee
	As found.....	1.55	1.88	6.30	4.15	0.80	11.25	10.45	5.56	.....	
208	As guaranteed	1.65	2	6	2	1	9	8	5	.....	48032	"
	As found.....	1.58	1.92	6.30	1.55	1.60	9.45	7.85	6.45	.....	
56	As guaranteed	2	.....	.....	.....	.....	.....	9	5	.....	48033	Practically up to guarantee.
	As found.....	.87	1.06	.....	.....	1.20	11.85	10.65	6.14	.....	
149	As guaranteed	2.47	3	5	2	2.26	7.25	7	5	.....	48034	Up to guarantee.
	As found.....	2.54	3.00	3	4.85	1	8.85	7.85	5.37	.....	
146	As guaranteed	2.47	3	.....	20	1	21	20	.....	.....	48036	"
	As found.....	3.36	4.08	.....	.....	7.30	23.15	15.85	.....	.....
191	As guaranteed	1.65	2	6	2	1	9	8	10	.....	48047	"
	As found.....	1.14	1.39	3.70	3.20	2.15	9.05	6.90	10.20	.....	
192	As guaranteed	.....	8	2	1	11	10	8	.....	.....	48049	"
	As found.....	.....	9.70	1.55	0.50	11.75	11.25	8.34	.....	.....

J. F. POWER, INSPECTOR.

	As guaranteed	.....	.....	.....	.....	.....	.....	.....	.....	.....	38195	Not registered.
	As found.....	3.49	3.02	.....	.....	26.50	.....	.....	.....	.....
297	As guaranteed	3	.....	17	5	22	.....	.....	.....	.....	38196	Registered as 297. Up to guarantee.
	As found.....	3.52	4.27	.....	.....	28.15	.....	.....	.....	.....
440	?As guaranteed	7.59	9.49	Trace.	5.87	2.91	8.78	6.87	.....	.....	38197	Registered as 440. Nitrogen low; phosphoric acid high.
	As found.....	5.75	6.89	9.75	9.28	6.72	16.75	10.03	.....	.....
439	As guaranteed	10.74	13.04	.....	3.00	.77	3.77	3.00	.....	.....	38198	Registered as 439. Up to guarantee.
	As found.....	12.22	14.84	.....	7.84	2.16	9.00	7.84	.....	.....
355	As guaranteed	.....	3.5	.....	.....	26	.....	.....	.....	.....	38199	Registered as 355. Up to guarantee.
	As found.....	3.42	4.15	.....	.....	26.50	.....	.....	.....	.....
	As guaranteed	.....	.....	.....	.....	13.90	.....	.....	.....	.....	38200	Not registered.

BULLETIN No. 227—

Date of Collection.	Designation.	No. of Sample.	Name and Address of Vendor.	COST.		Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report.
				Quantity.	Cents.		

DISTRICT OF VANCOUVER—

1911.						Mfr.	Fur.	
May 23	Bone Meal.....	38201	Rennies Seed Store, 6 lbs., Granville Street, Vancouver.	25	C. H. Lilly Co., Seattle.	M. J. Henry Co., Vanc.		No reg. number.
" 23	Fertilizer.....	38202	" " 3 pkts.	90	Wm. Rennie, Toronto.			
" 23	"	38203	Royal Nurseries, 6 lbs., Granville Street, Vancouver.	30		Brackman-Ker.		
" 23	"	38204	" " 6 " "	25	Victoria Chem. Co., Vict., B.C.			

DISTRICT OF VICTORIA—

June 9	Bone Meal.	47601	The Brackman-Ker Milling Co., Ltd., Victoria, B.C.	5 lbs.	10	Pacific Whaling Co., Ltd., Vancouver.		
" 9	Blood Meal.....	47602	" " 5 " "	20	P. Burns & Co., Ltd., Vancouver.			
" 9	Whale Guano...	47603	" " 5 " "	15	Pac. Whaling Co., Ltd., Vancouver.			
" 15	Fertilizer A.	47604	Victoria Chem. Co., Ltd., Victoria, B.C.	5 " "	25	Vendors		
" 15	Fertilizer B.	47605	" " 5 " "	25	"			
" 15	Fertilizer C.	47606	" " 5 " "	25	"			
" 15	Fertilizer D.	47607	" " 5 " "	25	"			
" 15	Nitrate of Soda.	47608	" " 5 " "	25		Parrott & Co., San Francisco, Cal.		
" 15	Superphosphate of Lime.	47609	" " 5 " "	25	Vendors			
" 19	Bone and Blood Fertilizer.	47629	Freder. Savory, Victoria, B.C.	5 " "	25	Frye, Bruhne & Co., Seattle, Wash.		

FERTILIZERS AS SOLD.

Registration No.	Analysis of Sample.	RESULTS OF ANALYSIS.										Remarks and Opinion of the Chief Analyst.	
		Nitrogen, p.c.		Phosphoric Acid, p.c.									
		Total, including that of Nitric Acid or Ammonia if present.	Total, calculated as Ammonia.	Soluble in Water.		Reverted or Citrate Soluble.		Insoluble.		Total.	Total available.	Potash.	Moisture.	No. of Sample.

Concluded.

		p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	p.c.	
		As guaranteed	3	.....	17	5	22	.....	.....	.....	.....	38201
		As found..	3.10	3.76	.....	.....	20.50	.....	.....	.....	.....
276	As guaranteed	2.00	2.5	8	.....	.....	.....	.....	.....	.....	.....	38202
	As found..	1.52	1.85	12.33	.....	.....	18.70	.....	2	.....	.....
355	As guaranteed	3.5	.....	.....	.....	.....	26	.....	4.90	.....	.....	38203
	As found.....	2.2	2.7	11.93	3.62	0.40	15.95	15.45	.....	.....	.....
80	As guaranteed	.....	.....	.....	.....	16	.....	.....	.....	.....	.....	38204
	As found.....	.....	.....	.....	.....	26.50	.....	.....	.....	.....	.....

D. O'SULLIVAN, INSPECTOR.

355	As guaranteed	.....	3.5	.....	.....	.....	26	.....	.....	.....	.....	47601
	As found..	2.85	3.47	.....	.....	.....	26.70	.....	.....	.....	.....
	As guaranteed	10.74	13.04	.....	3	77	3.77	3	.....	.....	.....	47602
	As found.....	12.20	14.82	trace.	3.70	0.10	3.80	3.70	.....	.....	.....
	As guaranteed	.....	.....	.....	.....	3.10	.....	3.31	.....	.....	.....	47603
73	As guaranteed	4	.....	.....	.....	10	.....	7	.....	.....	.....	47604
	As found.....	2.84	3.45	.....	.....	13.25	.....	7.87	.....	.....	.....
74	As guaranteed	3.5	.....	.....	.....	10	.....	11	.....	.....	.....	47605
	As found.....	3.30	4.01	.....	.....	10.25	.....	8.78	.....	.....	.....
75	As guaranteed	.....	.....	.....	.....	12.5	.....	11	.....	.....	.....	47606
	As found.....	.....	.....	.....	.....	15.55	.....	10.63	.....	.....	.....
76	As guaranteed	2.5	.....	.....	.....	10	.....	11	.....	.....	.....	47607
	As found.....	2.20	2.67	.....	.....	14.85	.....	12.55	.....	.....	.....
77	As guaranteed	15.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	47608
	As found.....	14.78	17.95	.....	.....	.....	.....	.....	.....	.....	.....
80	As guaranteed	.....	.....	.....	.....	16	.....	.....	.....	.....	.....	47609
	As found.....	.....	.....	.....	.....	18.55	.....	.....	.....	.....	.....
	As guaranteed	.....	.....	.....	.....	20.65	.....	.....	.....	.....	.....	47629
	As found.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

Not registered.